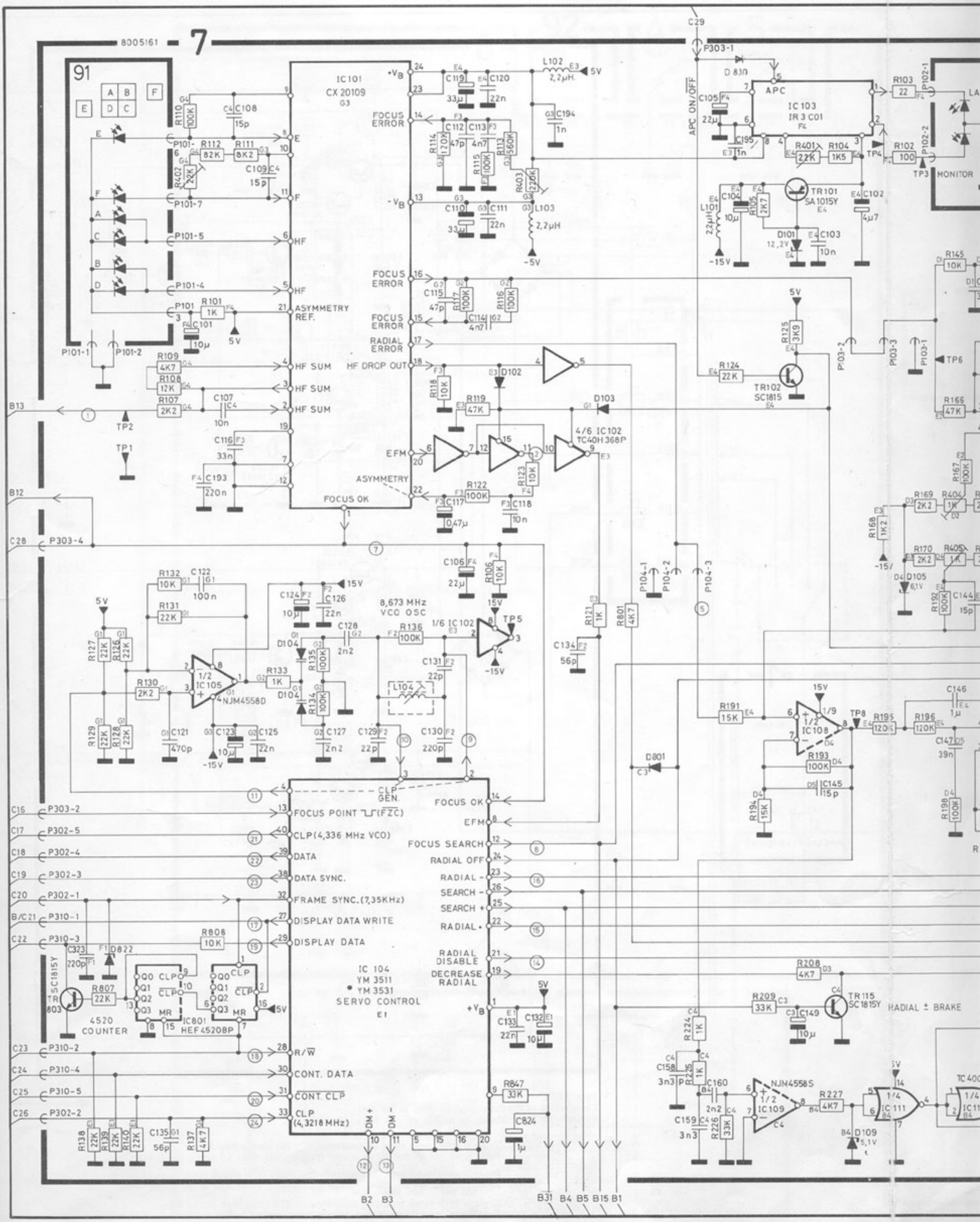
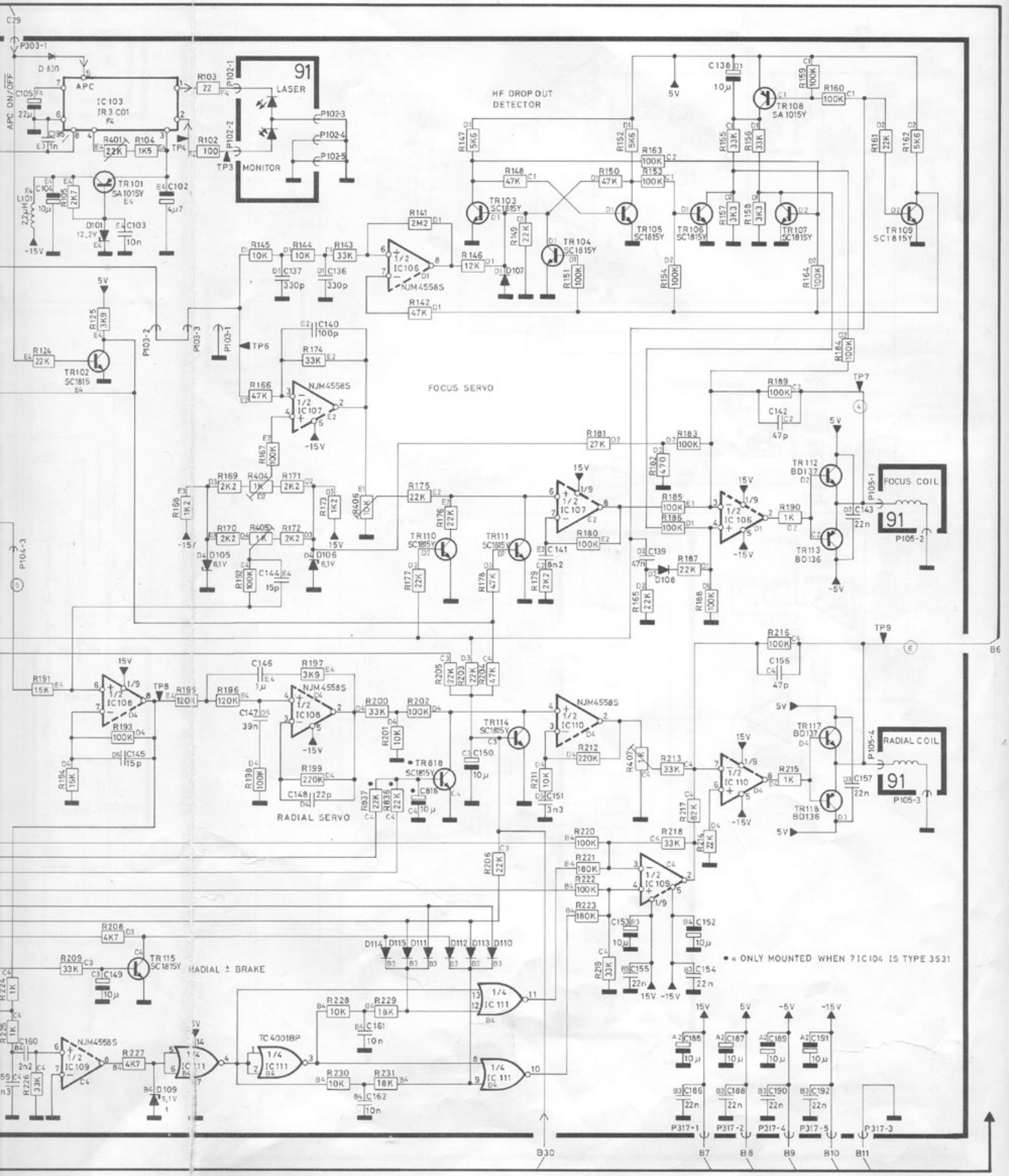
DIAGRAM A Focus & Radial Servo

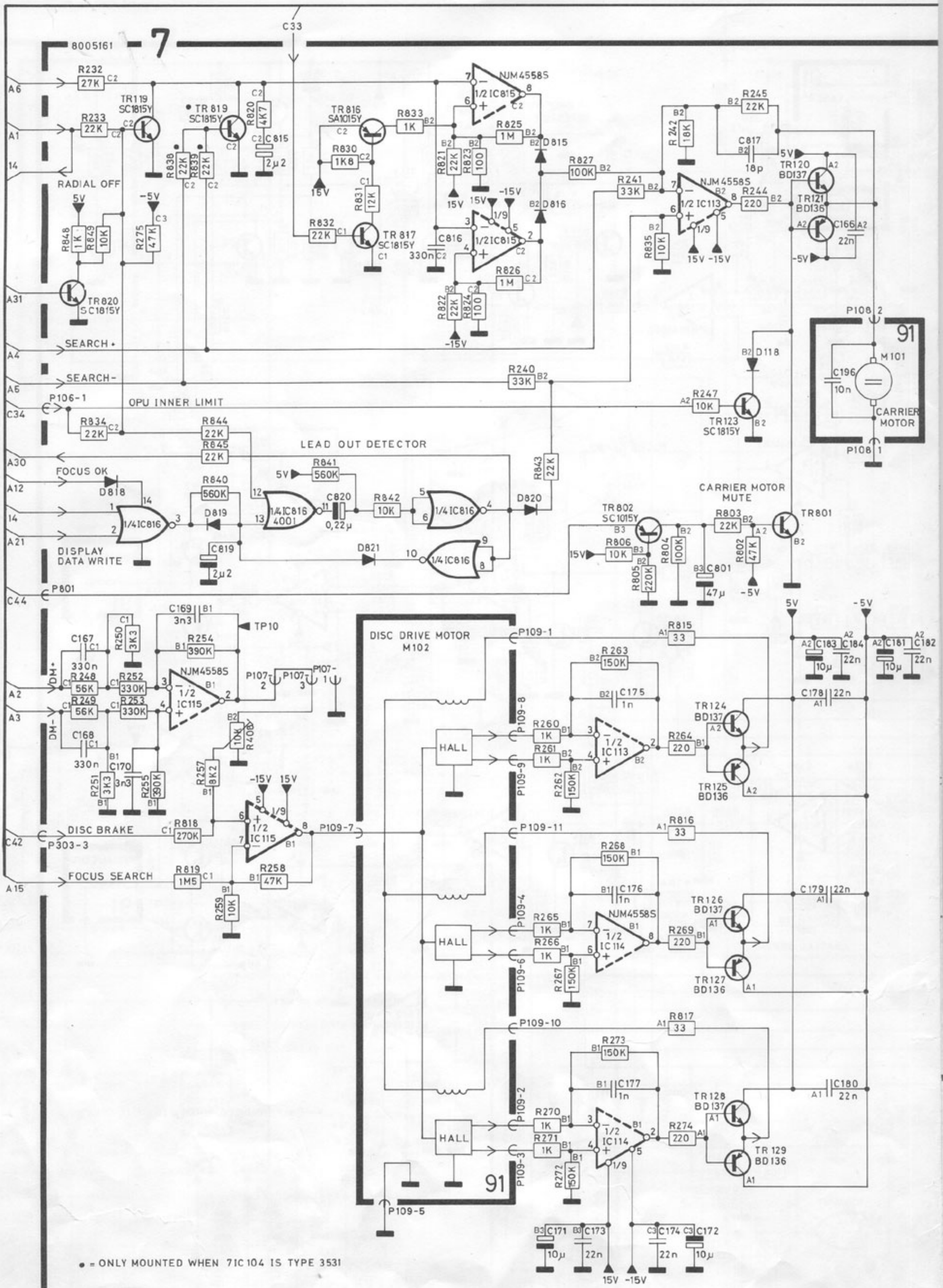


○ Refers to page 1-4


C29
P303-1
D 830
APC ON/OFF
APC
IC 103
IR 3 C01
F4
C105 22µ
R401 22K
R104 1K5
1n
TP4
R103 22
R102 100
P102-1
P102-2
P102-3
P102-4
P102-5
TP3
MONITOR
LASER
91
TR101 SA 1015Y
C102 4µ7
C104 10µ
R105 2K7
L101 2,2µH
D101 12,2V
C103 10n
-15V
5V
R125 3K9
R124 22K
TR102 SC1815
P103-2
P103-3
P103-1
TP5
HF DROP OUT DETECTOR
R147 5K6
R152 5K6
R148 47K
R150 47K
R163 100K
R153 100K
TR103 SC1815Y
TR104 SC1815Y
TR105 SC1815Y
R149 22K
R151 100K
R141 2M2
R145 10K
R144 10K
R143 33K
C137 330p
C136 330p
IC106 1/2 NJM4558S
R146 12K
D107
R142 47K
C136 10µ
TR108 SA 1015Y
R159 100K
R160 100K
R155 33K
R156 33K
TR106 SC1815Y
TR107 SC1815Y
R157 3K3
R158 3K3
R161 22K
R162 5K6
TR109 SC1815Y
R154 100K
R164 100K
R184 100K
C140 100p
R174 33K
R166 47K
NJM4558S
IC107 1/2
-15V
FOCUS SERVO
TP7
R189 100K
C142 47p
R167 100K
R169 2K2
R404 1K
R171 2K2
R166 1K2
R173 1K2
R170 2K2
R405 1K
R172 2K2
D105 6,1V
D106 6,1V
R192 100K
C144 15p
R406 10K
R175 22K
R176 22K
TR110 SC1815Y
TR111 SC1815Y
R177 22K
R178 47K
R179 2K2
C141 3n2
R180 100K
R181 27K
R183 100K
R182 470
R185 100K
R186 100K
C139 47p
D108
R187 22K
R188 100K
R165 22K
IC 107 1/9
IC 106 1/9
R190 1K
TR112 BD137
TR113 BD136
C143 22n
FOCUS COIL
P105-1
P105-2
P104-3
R216 100K
C156 47p
TP9
B6
R191 15K
R193 100K
C145 15p
R194 15K
TP8
R195 120K
R196 120K
C146 1µ
R197 3K9
C147 39n
R198 100K
R199 220K
C148 22p
NJM4558S
IC108 1/2
R200 33K
R202 100K
R201 10K
TR818 SC1815Y
C818 10µ
C150 10µ
TR114 SC1815Y
R205 22K
R203 22K
R204 47K
R206 22K
R837 22K
R836 22K
RADIAL SERVO
R212 220K
R211 10K
C151 3n3
R407 1K
R213 33K
R217 82K
R214 22K
R215 1K
TR117 BD137
TR118 BD136
C157 22n
RADIAL COIL
P105-4
P105-3
R220 100K
R221 180K
R222 100K
R223 180K
R218 33K
IC109 1/2
C153 10µ
C152 10µ
C155 22n
C154 22n
R219 33K
15V -15V
R206 4K7
R209 33K
TR115 SC1815Y
C149 10µ
RADIAL ± BRAKE
D114 D115 D111 D112 D113 D110
R224 1K
R225 1K
C160 2n2
R226 33K
R227 4K7
TC 4001BP
1/4 IC111
R228 10K
R229 18K
C161 10n
R230 10K
R231 18K
C162 10n
D109 5,1V
C185 10µ
C187 10µ
C189 10µ
C191 10µ
C186 22n
C188 22n
C190 22n
C192 22n
P317-1
P317-2
P317-4
P317-5
P317-3
B7
B8
B9
B10
B11
B30
• = ONLY MOUNTED WHEN 7IC104 IS TYPE 3531

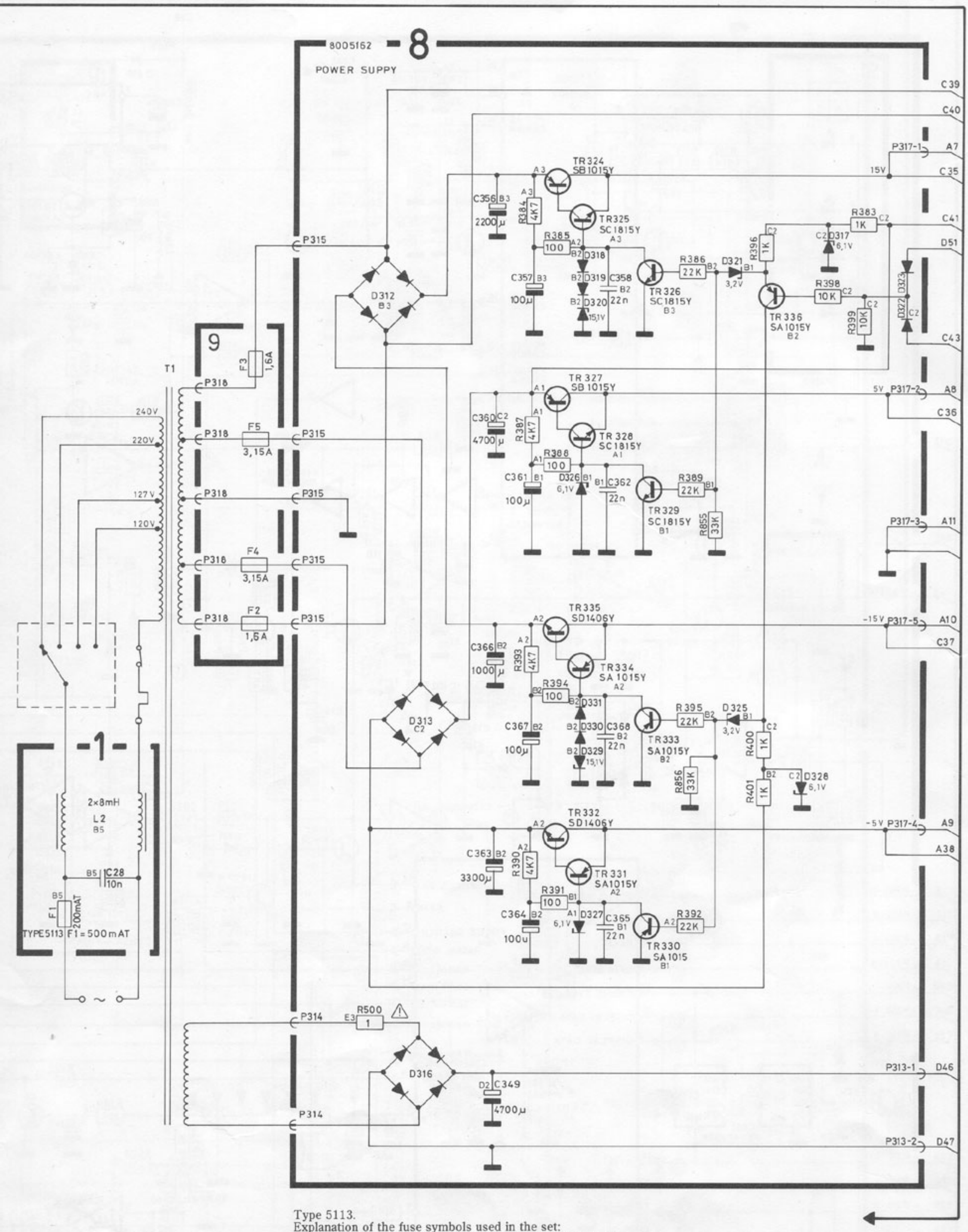
1-8

DIAGRAM B Carrier, Motor, Disc Motor Drive, Power Supply



• = ONLY MOUNTED WHEN 71C104 IS TYPE 3531

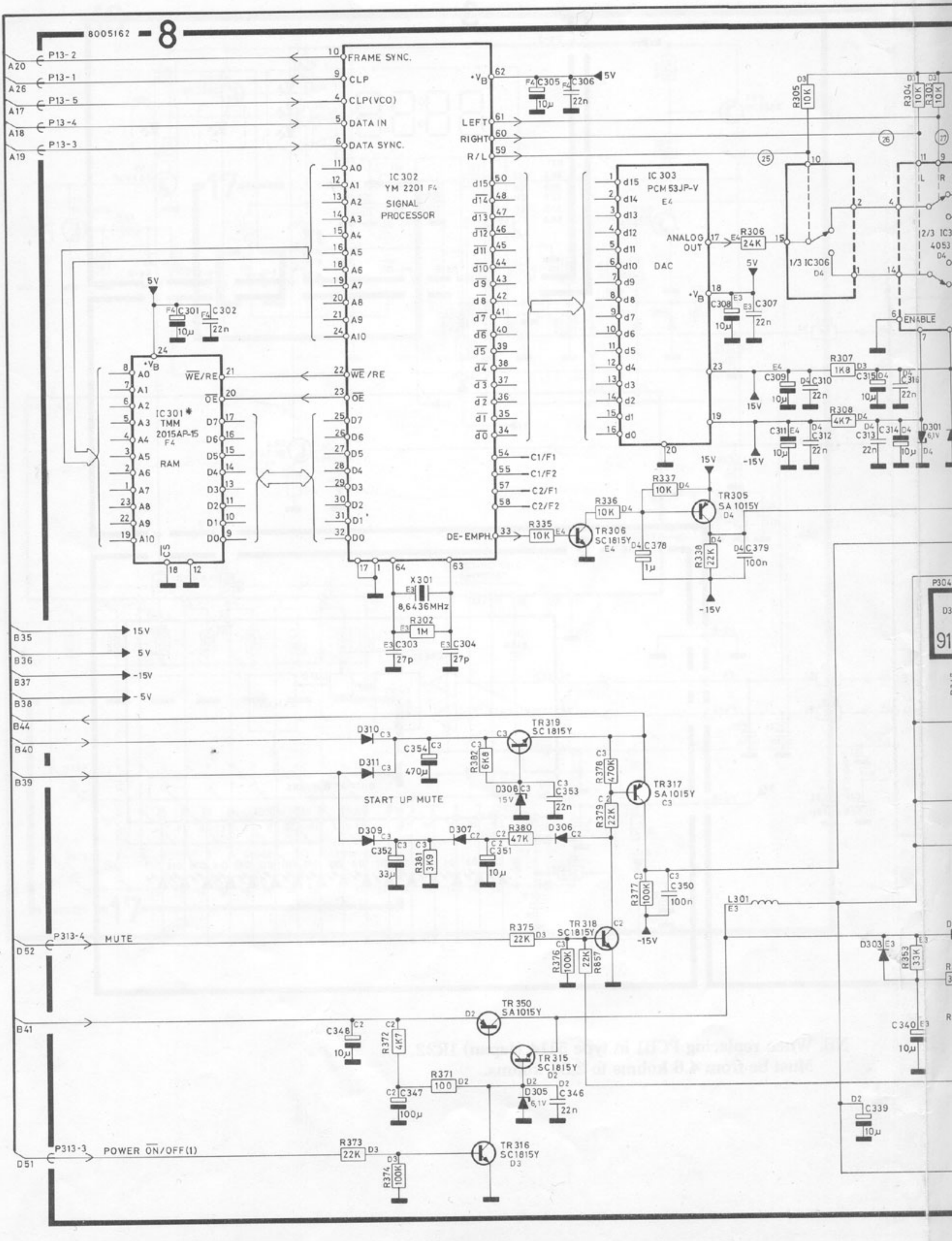
Bang&Olufsen



Type 5113.
Explanation of the fuse symbols used in the set:
Explanation de symboles du fusible utilisés dans l'appareil:

T 1.6 A 250V	Replace with same tyep 1.6 ampere 250 volts slow acting fuse. Remplacer par un fusible de meme type retardé et de 1,6 ampere 250 volts.
T 3.15 A 250V	Replace with same type 3.15 ampere 250 volts slow acting fuse. Remplacer par un fusible de meme type retardé et de 3,15 ampere 250 volts.
T500mA 250V	Replace with same type 500 milliamperes 250 volts slow acting fuse Remplacer par un fusible de meme type retardé et de 500 milliamperes 250 volts.

DIAGRAM C Decoder, System Control



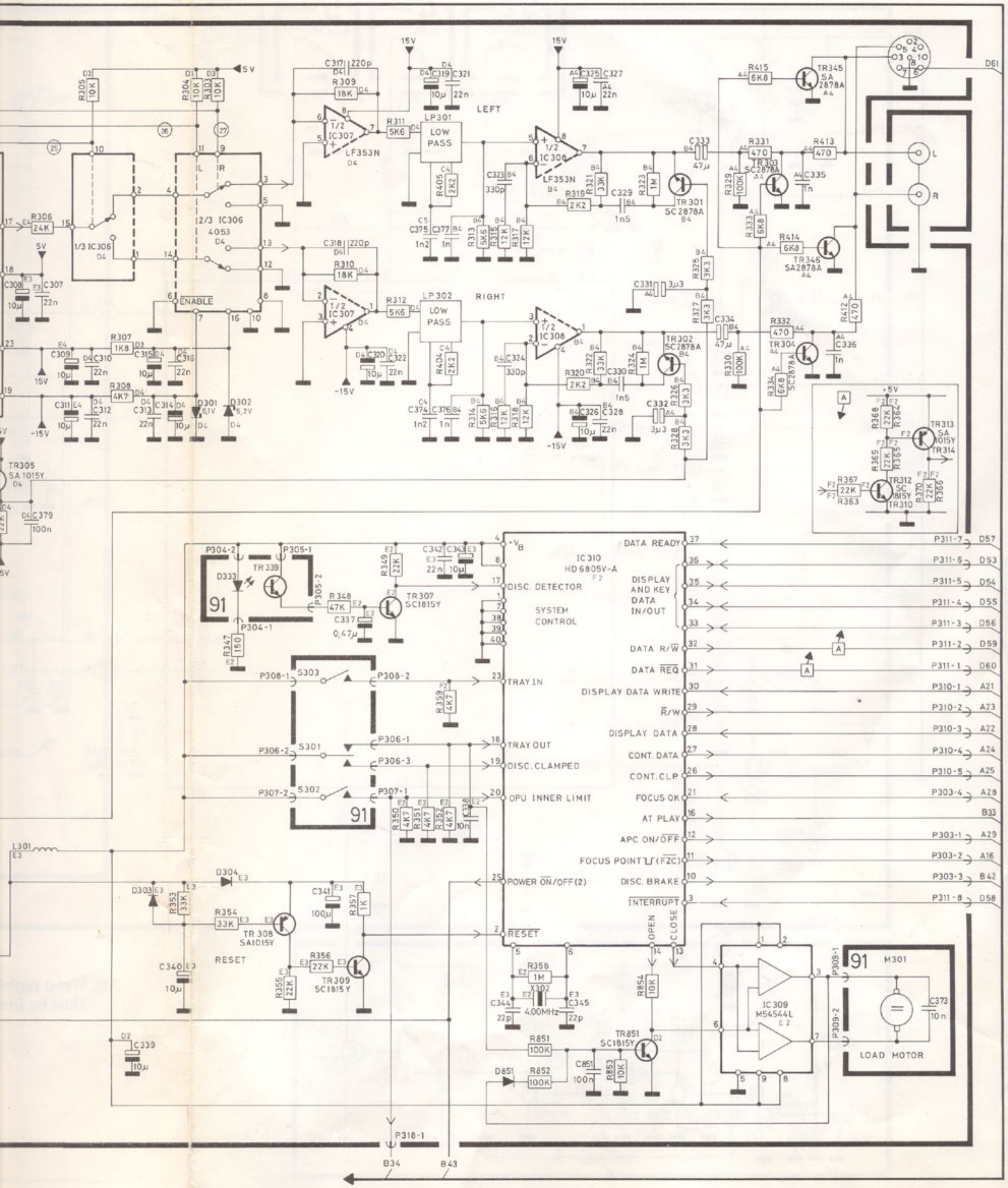
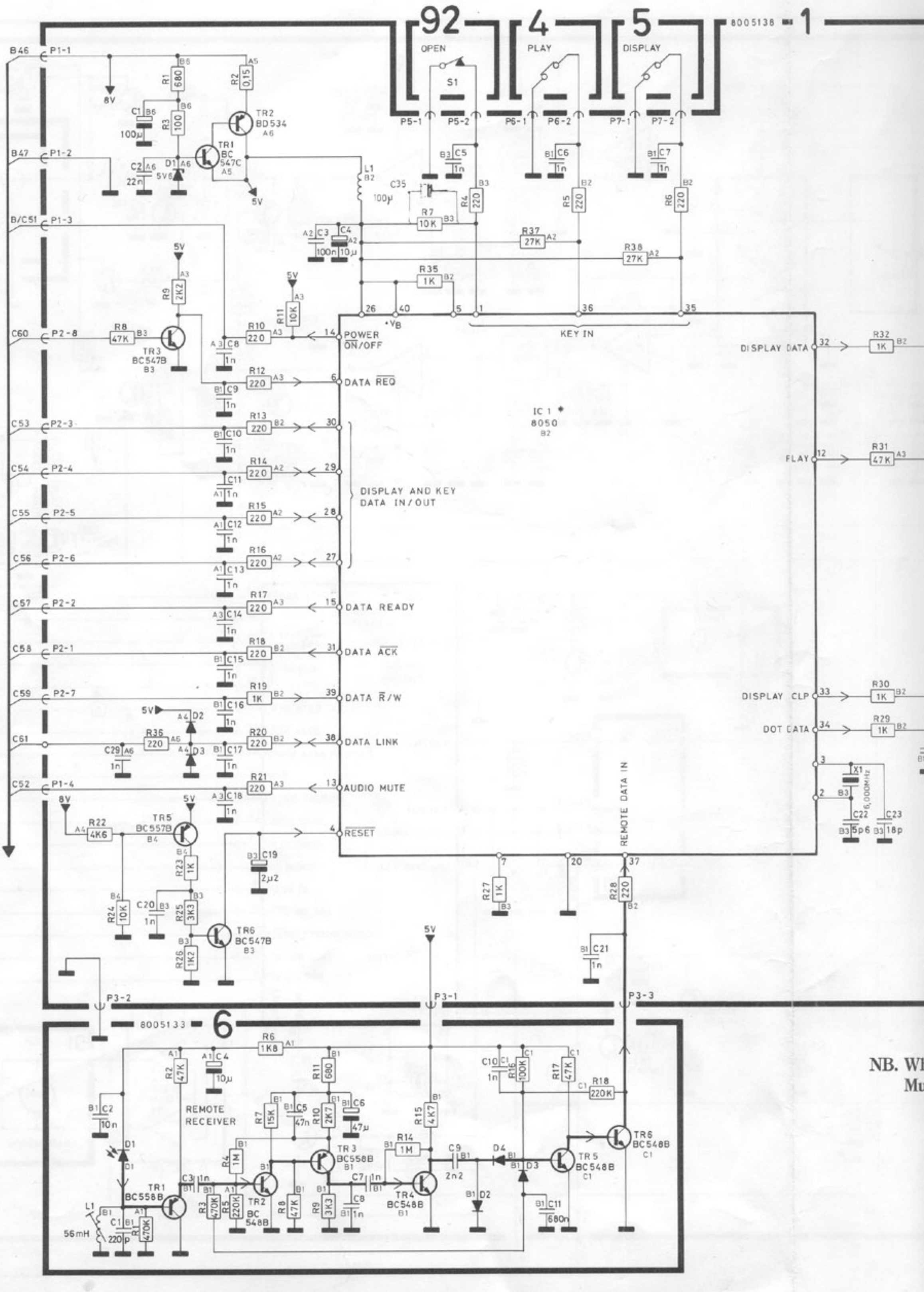
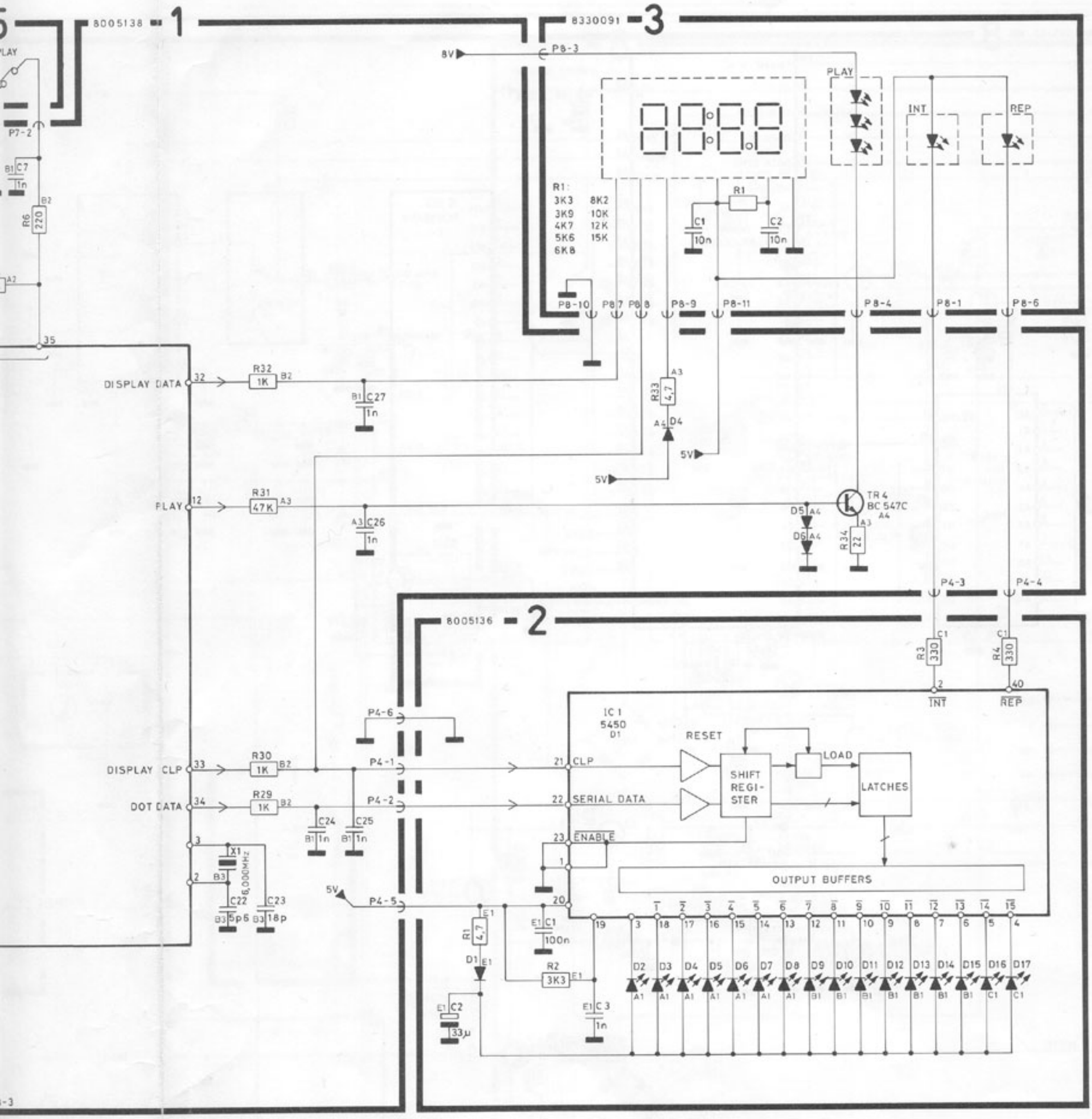

15V
5V
-15V
LEFT
RIGHT
LOW PASS
LP301
LP302
IC307 LF353N
IC308 LF353N
2/3 IC306 4053
1/3 IC306
ENABLE
R305 10K
R304 10K
R303 10K
R306 24K
R307 1K8
R308 4K7
R309 18K
R310 18K
R311 5K6
R312 5K6
C317 220p
C318 220p
C319 C321
C325 C327
C307 C308 C309 C310 C311 C312 C313 C314 C315 C316
C320 C322
C323 330p
C324 330p
C326 C328
C329 1n5
C330 1n5
C331 3µ3
C332 3µ3
C333 47µ
C334 47µ
C335 1n
C336 1n
C374 C375 C376 C377 1n2 1n
R404 2K2
R405 2K2
R313 5K6
R314 5K6
R315 12K
R316 12K
R317 12K
R318 12K
R319 2K2
R320 2K2
R321 33K
R322 33K
R323 1M
R324 1M
R325 3K3
R326 3K3
R327 3K3
R328 3K3
R329 100K
R330 100K
R331 470
R332 470
R333 6K8
R334 6K8
R412 470
R413 470
R414 6K8
R415 6K8
TR301 SC 2878A
TR302 SC2878A
TR303 SC2878A
TR304 SC2878A
TR345 SA 2878A
TR346 SA2878A
TR305 SA 1015Y
TR313 SA 1015Y
TR314
TR312 SC 1815Y
TR310
R363 22K
R365 22K
R366 22K
R367 22K
R368 22K
R369 22K
R370 22K
C379 100n
D301 6,1V
D302 6,2V
D61
L
R
A
+5V
IC 310 HD 6805V-A F2
SYSTEM CONTROL
DISC. DETECTOR
TRAY IN
TRAY OUT
DISC. CLAMPED
OPU INNER LIMIT
POWER ON/OFF(2)
RESET
DISPLAY AND KEY DATA IN/OUT
DATA READY
DATA R/W
DATA REQ
DISPLAY DATA WRITE
R/W
DISPLAY DATA
CONT. DATA
CONT. CLP
FOCUS OK
AT PLAY
APC ON/OFF
FOCUS POINT (FZC)
DISC. BRAKE
INTERRUPT
OPEN
CLOSE
P311-7 D57
P311-6 D53
P311-5 D54
P311-4 D55
P311-3 D56
P311-2 D59
P311-1 D60
P310-1 A21
P310-2 A23
P310-3 A22
P310-4 A24
P310-5 A25
P303-4 A28
B33
P303-1 A29
P303-2 A16
P303-3 B42
P311-8 D58
TR339
TR307 SC1815Y
TR308 SA1015Y
TR309 SC1815Y
TR851 SC1815Y
S303
S301
S302
91
R347 150
R348 47K
R349 22K
R350 4K7
R351 4K7
R352 4K7
R353 33K
R354 33K
R355 22K
R356 22K
R357 1K
R358 1M
R359 4K7
R851 100K
R852 100K
R853 10K
R854 10K
C337 0,47µ
C338 10n
C339 10µ
C340 10µ
C341 100µ
C342 C343 22n 10µ
C344 C345 22p 22p
C373 10n
C851 100n
D303
D304
D333
D851
X302 4.00MHz
IC 309 M54544L
M301
LOAD MOTOR
P304-2
P304-1
P305-1
P305-2
P306-1
P306-2
P306-3
P307-1
P307-2
P309-1
P309-2
P318-1
L301
B34
B43

DIAGRAM D Display and Key Control



NB. WI
Mu

Bang&Olufsen



NB. When replacing PCB1 in type 5114 (Japan) 1R22.
Must be from 4.6 kohms to 2.55 kohms.

DIAGRAM E Remote transmitter, keyboard